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Sanitized - Approved For Release :  
CIA-RDP33-02415A000500030041-7

25X1B0d2

25X1D0a

CAMERA MALFUNCTIONS

IDEA-1037  
31 JAN 1963

Corrective Action

Mission No.	Date	Camera S/N	Area	Result %	Malfunction	Corrective Action
25X1X7		10		Aborted 10%	Extreme binding of film between take-up and supply spools. Outboard bearing housing on aft take-up spool worked free toward the outside pushing against nut on cassette shaft causing film to bind and film drive clutches to slip	All outboard spool bearings being inspected and gauged as part of pre-flight inspection.
25X1X7		10		48%	Tension sensor assembly failed. Decreasing switch points burnt shut which in turn caused film drive to stop.	Faulty assembly replaced. First indication of failure of tension sensor assembly.
25X1X7		10		78%	Shutter failed half way through mission. Due to failure of wind motor. Shutter and motor had 8.475 cycles since M & O.	Wind motor replaced. Faulty item returned to HYCON for further analysis and recommendation.
3208		9		0%	Camera failed on the fifth 30-second cycle test prior to mission run. Faulty solenoid and timing problem. Vacuum valve plunger and cavity were dirty and worn.	Vacuum valve replaced. Maintenance inspection of solenoid immediately reduced from 25,000 cycles to 10,000 cycles per discussions with HYCON. Arrangements made

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Mission No.	Date	Camera S/N	Area	Result %	Malfunction	Corrective Action
					25X1A5a2	25X1A5a2
					25X1A2g	to send [REDACTED] HYCON
					25X1A2g	Engineer to [REDACTED] and [REDACTED] to give technical assistance to field reps and to analyze field maintenance procedures.
					25X1A2g	
					25X1A5a2	
3210	25X1B0d2	9	25X1D0a	92%	Post flight inspection revealed loss of 277 cycles of 3165 cycle count. Shutter was not tripping in position 3L due to intermittent break beneath insulation of shutter cable "A" ground wire.	Replaced faulty ground wire. Condition failure relayed to [REDACTED] at [REDACTED] for info and action connection his trip to [REDACTED] Replacement of cycle shutter cable ordered reduced to 25,000 cycles.
25X1X7	[REDACTED]	3	[REDACTED]	Unknown	Vacuum Valve Assembly - total cycles 9301. Valve assembly cleaned and adjusted as per HYCON instructions but malfunction not corrected.	Replacing of faulty part with new nickel sleeve solenoid valve assembly. NOTE: Subsequent flight tests at [REDACTED] and [REDACTED] with nickel sleeve solenoid report no apparent camera malfunction. Follow-on film read-out these tests reports satisfactory operation.
					25X1A2g	
					25X1A2g	

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IDEA-1037


*U-2 Problems*

THIS DOCUMENT REQUIRES SPECIAL HANDLING

HANDLING PROCEDURES

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This document contains information referring to Project IDEALIST

REFERRED TO		RECEIVED		RELEASED		SEEN BY	
OFFICE		SIGNATURE	DATE	TIME	DATE	TIME	NAME AND OFFICE SYMBOL
DAD/OSA	25X1A9a		12	FLE			<i>[Signature]</i>

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